

VTT Technical Research Centre of Finland

Telaketju

Heikkilä, Pirjo

Published: 12/12/2018

Document Version
Other version

[Link to publication](#)

Please cite the original version:

Heikkilä, P. (2018). *Telaketju: A national approach to circular textile eco-system*. Used Textiles, Tallinn, Estonia.



VTT
<http://www.vtt.fi>
P.O. box 1000FI-02044 VTT
Finland

By using VTT's Research Information Portal you are bound by the following Terms & Conditions.

I have read and I understand the following statement:

This document is protected by copyright and other intellectual property rights, and duplication or sale of all or part of any of this document is not permitted, except duplication for research use or educational purposes in electronic or print form. You must obtain permission for any other use. Electronic or print copies may not be offered for sale.

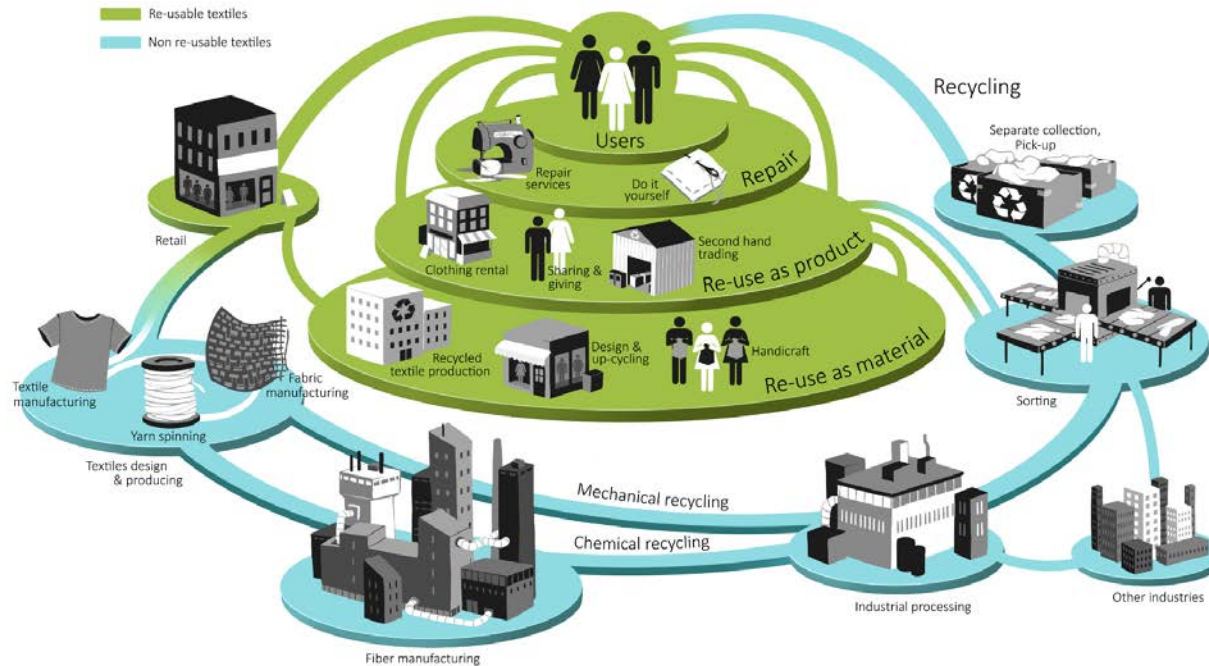


Telaketju: A national approach to circular textile eco- system

Pirjo Heikkilä

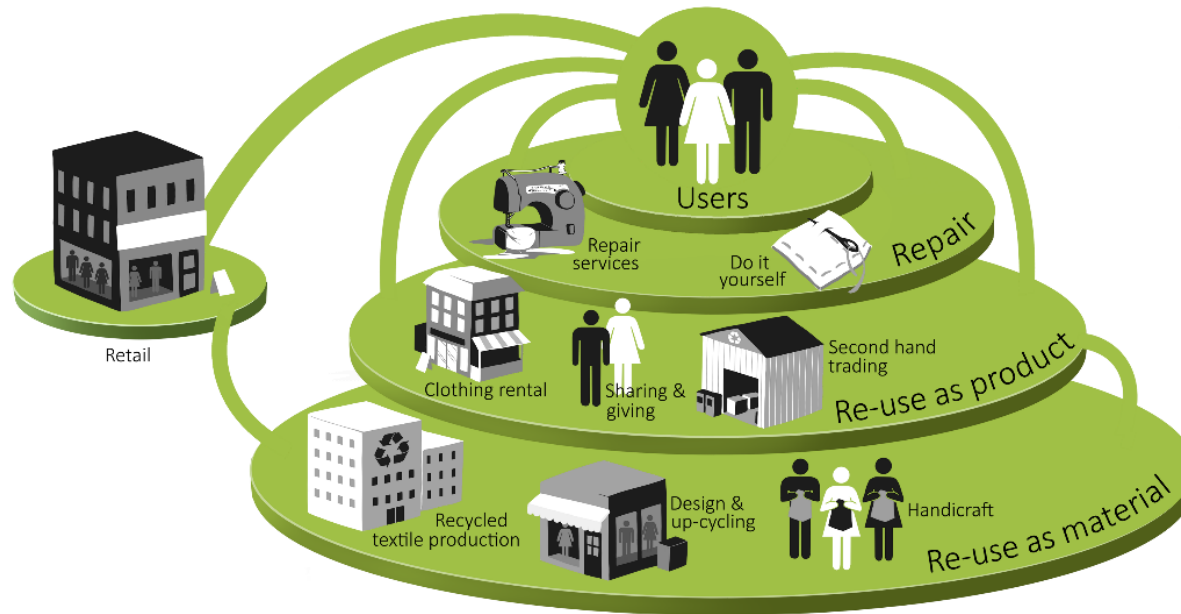
VTT Technical Research
Centre of Finland Ltd.

Model for Circular Ecosystem for Textiles



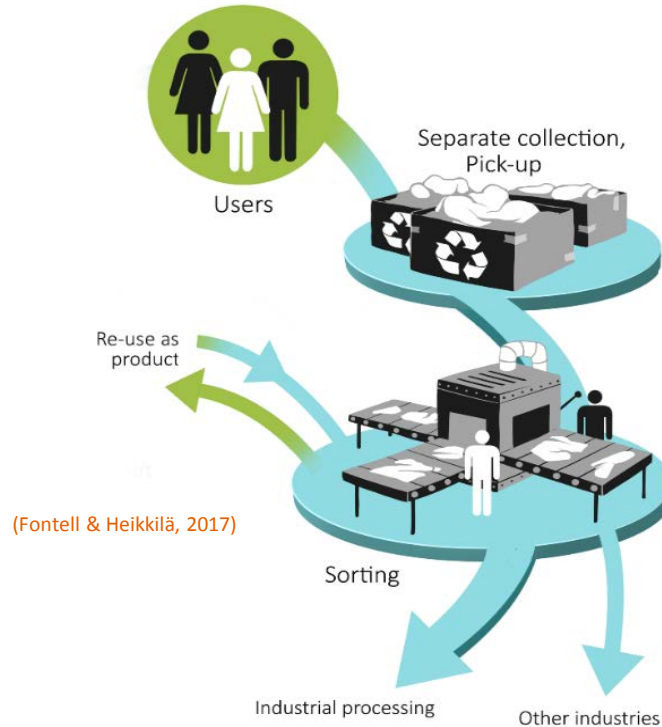
(Fontell & Heikkilä, 2017 – <https://www.vtt.fi/inf/pdf/technology/2017/T313.pdf>)

Use, Repair and Re-Use of Textiles

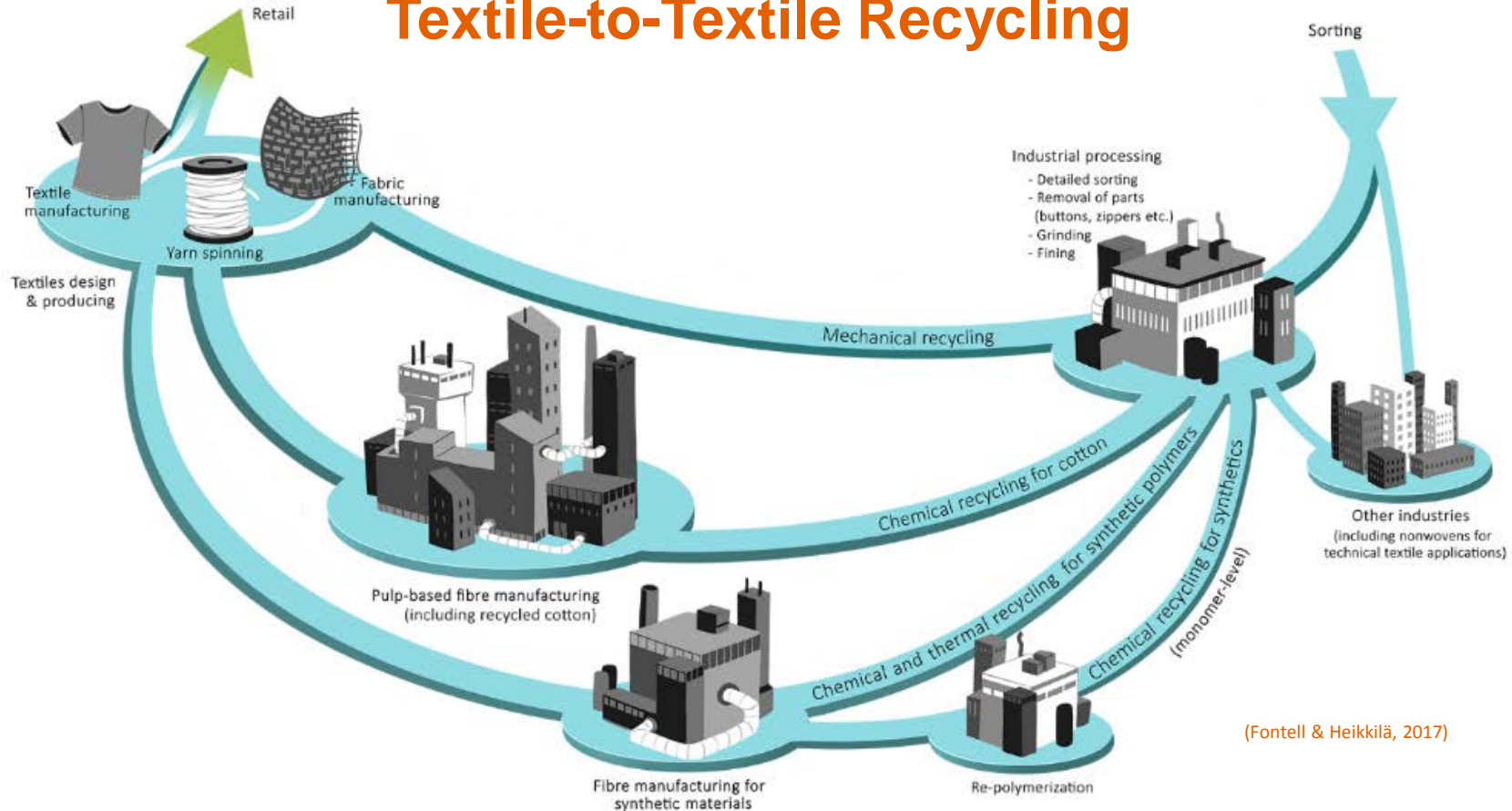


(Fontell & Heikkilä, 2017)

Textile Collecting and Sorting



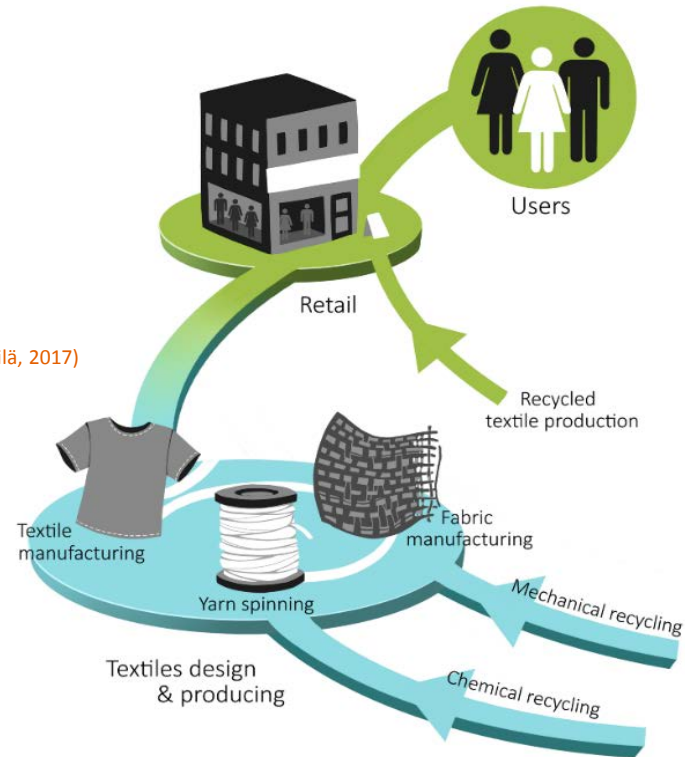
Textile-to-Textile Recycling



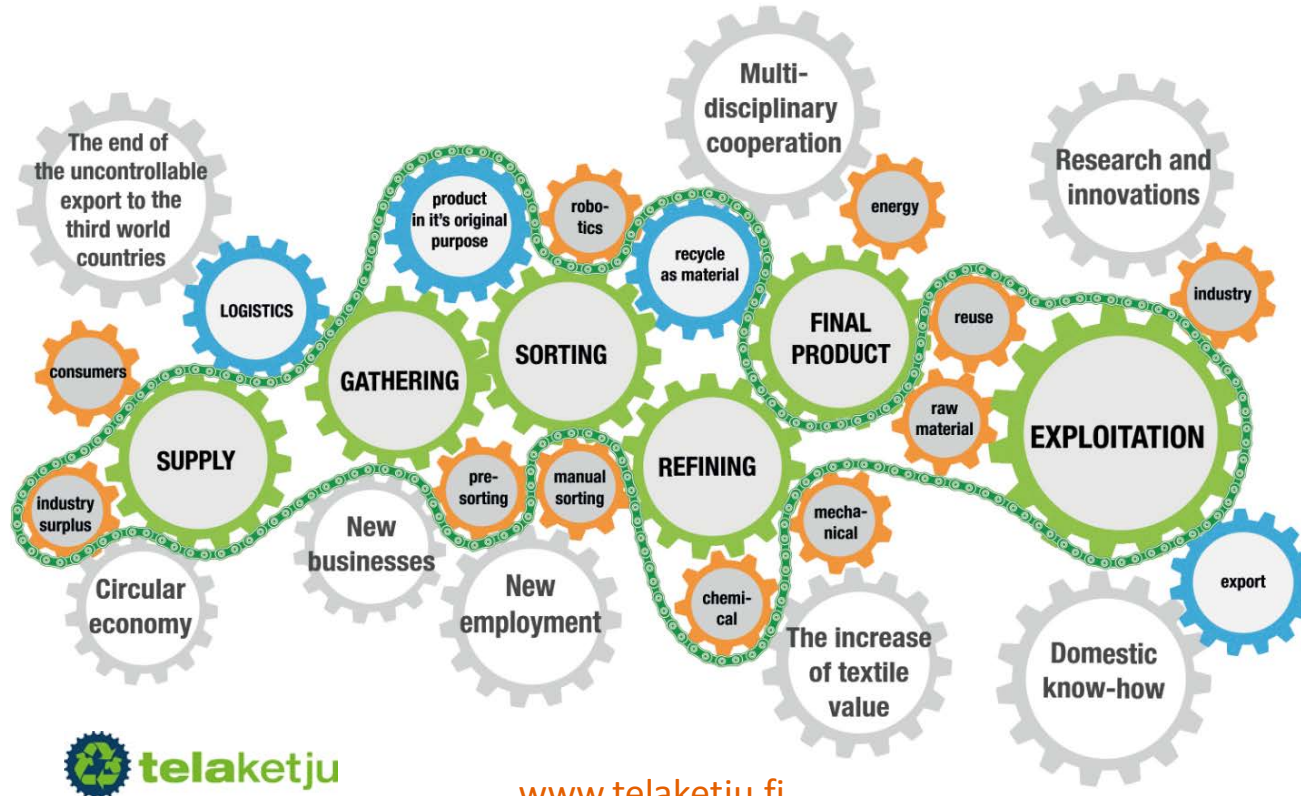
(Fontell & Heikkilä, 2017)

Textiles from Recycled Fibres

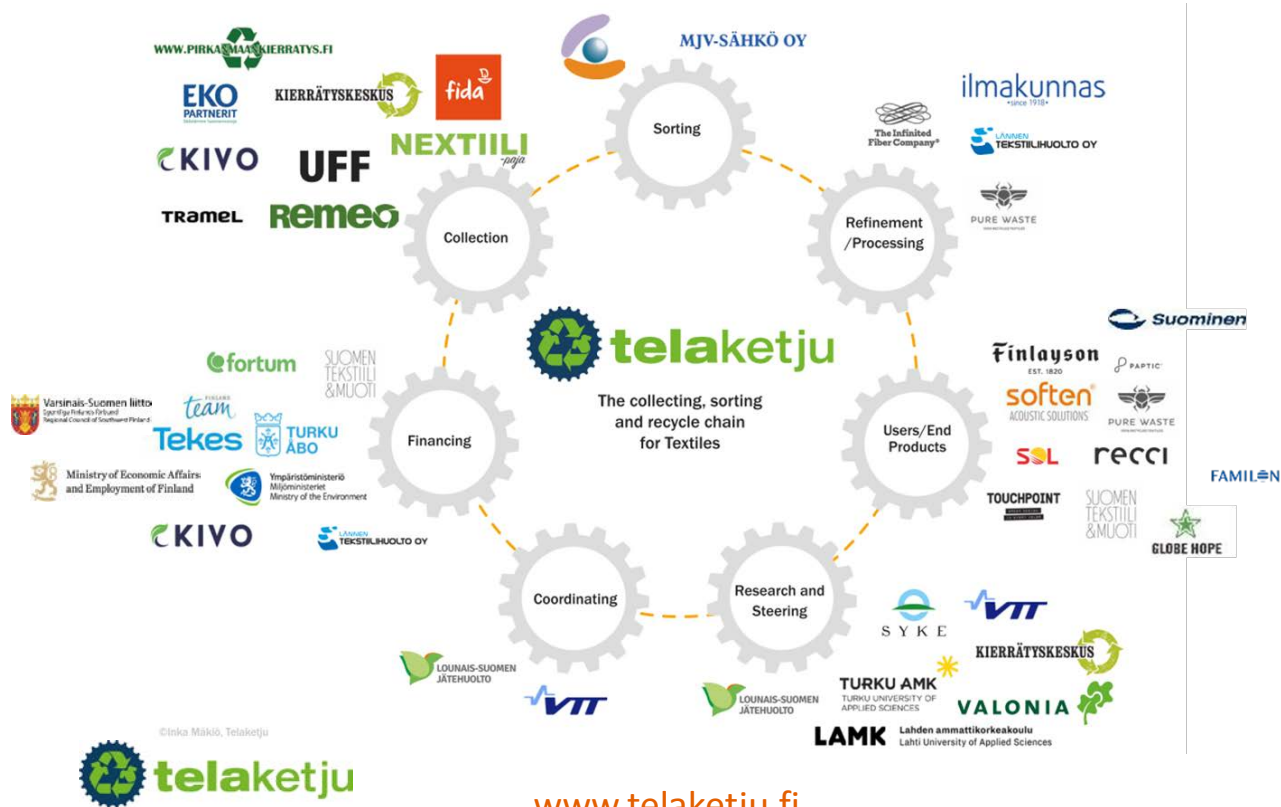
(Fontell & Heikkilä, 2017)



Telaketju - Ecosystem Building



Telaketju - Ecosystem Building



Telaketju - Ecosystem Building



Ympäristöministeriö
Miljöministeriet
Ministry of the Environment

Topics: Collecting, sorting and pre-processing

Participants: Municipal waste management and recycling organizations, public participants, as well as charities.



Ministry of Economic Affairs
and Employment of Finland



Varsinais-Suomen liitto
Egentliga Finlands förbund
Regional Council of Southwest Finland

Topics: Investments and markets & business planning

Beneficiary: Municipal waste management organization in Southwest Finland

Tekes **BUSINESS
FINLAND**

Topics: R&D for processes, products, services

Participants: Companies, Research Institutes, Academia



telaketju

www.telaketju.fi

Ecosystem building

Circular economy – lengthening of product life & recycling of materials from non-reusable items

Changes business value chains and requires building of new kinds of ecosystems leading to new business opportunities

New technologies and innovations needed

Consumers attitudes favour circular values

Public incentives and financial support can have significant effect on this development

Ecosystem – Multistakeholder system

Municipalities, big and small companies, non-profit organizations, social companies, ideological associations, consumers, government...

Not just textile sector operators

Different goals and operational models –
different models for co-operation and funding

Common overall goal can be achievable!

Thank you for your attention!

Contact information

Pirjo Heikkilä, pirjo.heikkila@vtt.fi
+358 40 689 1443